

**A NOVEL APPROACH OF MOBILE SECURITY ROBOTICS
MOVED BASED ON GRAPH THEORY**

KHATTAB M. ALI ALHEETI¹

**1College of Computer and Information Technology – Information Systems
Dept., University of Anbar,
Anbar -Iraq [co.khattab.alheeti@uoanbar.edu.iq]**

AMEEN SH. AMEEN²

**2College of Science – Applied Mathematics Dept. University of Anbar – Iraq
[amensh66@yahoo.com]**

ABSTRACT

Mobile computing plays vital role in our daily life. It has a lot of important applications in modern technology such as, scientific discoveries, rescue operations, and scientific research. The movement direction of mobile robots is considered very important issue because of their direct relationship to the amount of energy consumed. Therefore, computerized direction movement of mobile computer must be measured before transfer from one point to others.

Because of any random movement of robots will have negative and direct impact on nodes life. It In this paper, mobile computing is waiting in stand-by mode to obtain a new control data at critical time for moving from one point to other in a specific zoon. In more details, graph theory is utilised in positioned of mobile nodes. In addition, it has the ability in determine

mobile computer movement without any energy losses. Our simulations result of the new movement system show that the proposed approaches possess outstanding result with a reduction in energy consumption.

Keywords: *Image Compression, Video Compression, Frame Compression, Frame Extraction 2D-DWTAd hoc network; mobile computing; graph theory; search and rescue.*